

CLAIMS

1 - "Wave Energy for Electricity Generation", consists of a mechanical and hydraulic installation characterized by the use of floaters attached to the end of horizontal mechanical arms that are articulated at their other end point situated at a fixed structure. The use of hydraulic pumps to pressurize the water. Hyperbaric chambers are used to storage both nitrogen gas and water. These two fluids in high pressure are responsible for driving the electric generating group (turbine/generator).

2 - "Wave Energy for Electricity Generation" according to claim 1, characterized by hyperbaric chamber, using preferentially nitrogen gas / water or air / water.

3 - "Wave Energy for Electricity Generation" consisting of a mechanical and hydraulic installation is characterized by the use of an outflow regulating valve, as shown in Figure 2. It consists of a main body A, outflow adjustment needle B, valve distance adjustment ring C, valve setting main structure D and the mechanical set for outflow fine adjustment E.

4 - "Wave Energy for Electricity Generation" characterized by the use of hyperbaric chambers technology that makes it possible to operate the plant using low outflow with high pressure.